

VAS-VCS solenoid valves for gas

Class A Valvario safety shutoff valves for air or gas

Overview



Class A gas safety valves to EN 161 for automatic shut-off, closed when de-energized, for gas and air, pu max. 500 mbar, with pilot lamp and flow adjustment, IP 65, EU certified, FM and CSA approved, certified for systems up to SIL 3 and PL e.

Features & Benefits:

- Size: 1 to 9
- DN: 10 to 125
- Connection: thread or flange
- Quick opening, quick closing or slow opening, quick closing
- Mains voltage: 24 V DC, 120 V AC or 230 V AC
- Electrical connection: terminal

The following versions are available:

- Valves with position indicator and visual indicator
- Valves with fitted bypass or pilot gas valve
- Valves with fitted pressure switches DG../VC

More Information:

- [Technical Information for VAS, VCS](#)
- [Find products in ProFi for VAS](#)
- [Find products in ProFi for VCS](#)
- [Find spare parts in PartDetective for VAS](#)
- [Find spare parts in PartDetective for VCS](#)
- [Calculate nominal diameter DN for VAS](#)
- [Calculate nominal diameter DN for VCS](#)

Specifications

DIMENSIONS & SIZE SPECIFICATIONS

Sizes

- VAS/VCS 1-3: DN 10-65
- VAS/VCS 6-9: DN 65-125

ENVIRONMENTAL CONDITIONS

Ambient Temperature Range

- 20 to +60 deg C

Enclosure Rating

- IP65, NEMA 2/4

INSTALLATION & MOUNTING SPECIFICATIONS

Installation Orientation

- Upright or horizontal, not upside-down

STANDARDS & CERTIFICATIONS

Safety Integrity Levels

- SIL 1-3, PL a-e

Approvals

- CE, UKCA, FM, UL, ANSI/CSA, AGA, Eurasian CU, RoHS, REACH, EN 161, EN 13611 Compliant

CONNECTIONS & INTERFACES

Electrical Connections

- M20 Cable Gland, Plug, Plug-With-Socket, Dual-Valve Connectors

Connection Type

- Rp/NPT Internal Threads; ISO Flange; ANSI Flange for .T models

CONTROL, SAFETY & FUNCTIONAL BEHAVIOR

POC Indicator Ratings

- AC: 12 to 250 V, 3A
- DC: 12 to 30 V, 0.1A

PROCESSING & PERFORMANCE METRICS

Flow Adjustment Range

- 20 to 100%

Duty Cycle

- 100%

COMBUSTION, FUEL & MIXING SUB-SYSTEMS

Start Gas Adjustment

- 0 to 70% for slow-opening types

ELECTRICAL SPECIFICATIONS

Maintenance Interval

- Yearly, twice yearly for biogas, clean strainer if needed

Switching Frequency

- VAS../L: 2/min
- VAS../N: 30/min
- VCS 6-9: 1/min

Voltage Rating

- 230 VAC, 200 VAC, 120 VAC, 100 VAC, 24 VDC



PRESSURE SPECIFICATIONS

Inlet Pressure Range

- 500 mbar (7 psig)

STORAGE/TRANSPORT TEMPERATURES

Storage Temperature

- -20 to +40 deg C

APPLICATIONS & COMPATIBILITY

Gas Compatibility

- Natural Gas, LPG, Biogas, Hydrogen, Clean Air

Applications

- Commercial heat generation
- Gas burners and gas appliances
- Industrial furnaces, kilns, ovens, and heat treatment systems
- Suitable for hydrogen applications

OPERATING LIMITS, DURABILITY & LIFECYCLE

Designed Lifetime

- 50,000 to 500,000 cycles depending on size

CONTROL, LOGIC & SYSTEM BEHAVIOR

Operating Modes

- Closed when de-energized (fail-safe)

PRODUCT OVERVIEW & CLASSIFICATION

Product Family

- VAS (single) and VCS (double) solenoid valves for gas

ACTUATION, VALVE & MOTION CONTROL SPECIFICATIONS

Valve Housing

- Aluminium Valve Housing, NBR Valve Seal

Opening Time

- Quick <1 seconds (VAS../N)
- Slow up to 10 seconds (VAS../L)

Closing Time

- <1 seconds for all variants

ALARMS, STATUS & DIAGNOSTICS

LED Indicator

- Blue LED when energized

Filters

▼ CATEGORY

- ☒ Base Part
- ☒ Spare Part

▼ TYPE

- ☒ Solenoid Valve



- ☒ Tightness Control
- ☒ Valve Assembly
- ☒ Valve Body
- ☒ Air/Gas Regulator
- ☒ Pressure Regulator
- ☒ Solitude Valve

Part Number

100103006

Description

VLV, SOLND, SZ 3, NPT, , VAS3T /NQGL, FAST OPN

Category

Base Part

Type

Solenoid Valve

[Order Online](#)

Part Number

191002DF

Description

CHASSIS ASSY 230V F-MODEL

Category

Spare Part

Type

Chassis Assembly

[Order Online](#)

Part Number

23433

Description

VCS1 (SOV) AND VOS1 (STO) SW

Category

Base Part

Type

Solenoid Valve

[Order Online](#)

Part Number

KS88000024

Description

VAS240R/NW

Category

Base Part

Type

Solenoid Valve

[Order Online](#)

Part Number

KS88000029

Description

VAS 240R/LW

Category

Base Part

Type

Solenoid Valve

[Order Online](#)

Part Number

KS88000067

Description

VLV, KS88003197 SOLND, SZ 2, NPT, , VAS2T /N

Category

Base Part

Type

Solenoid Valve

[Order Online](#)

Part Number

KS88000077

Description

VLV, SOLND, SZ 3, NPT, , VAS3T /NQ, FAST OPNG,

Category

Base Part

Type

Solenoid Valve

[Order Online](#)

Part Number

KS88000081

Description

VLV, SOLND, SZ 3, NPT, , VAS3T /LQ, SLOW OPNG,

Category

Base Part

Type

Solenoid Valve

[Order Online](#)

Part Number	KS88000100
Description	VLV ASSY, SOLND, RP 15, GAS VAS115R/NQSR FA
Category	Spare Part
Type	Valve Assembly
	Order Online
Part Number	KS88000625
Description	VAS232R/LK
Category	Base Part
Type	Solenoid Valve
	Order Online

Product Number



Please sign in to view part numbers available for purchase based on your account

Sign In

100103006
VLV,SOLND,SZ 3,NPT,,VAS3T /NQGL,FAST OPN

100103006
VLV,SOLND,SZ 3,NPT,,VAS3T /NQGL,FAST OPN

191002DF
CHASSIS ASSY 230V F-MODEL

191002DF
CHASSIS ASSY 230V F-MODEL

23433
VCS1 (SOV) AND VOS1 (STO) SW

23433
VCS1 (SOV) AND VOS1 (STO) SW

KS88000024
VAS240R/NW

KS88000024
VAS240R/NW

KS88000029
VAS 240R/LW

KS88000029
VAS 240R/LW

KS88000067
VLV, KS88003197 SOLND,SZ 2,NPT,,VAS2T /N

KS88000067
VLV, KS88003197 SOLND,SZ 2,NPT,,VAS2T /N

KS88000077



VLV,SOLND,SZ 3,NPT,,VAS3T /NQ,FAST OPNG,

KS88000077

VLV,SOLND,SZ 3,NPT,,VAS3T /NQ,FAST OPNG,

KS88000081

VLV,SOLND,SZ 3,NPT,,VAS3T /LQ,SLOW OPNG,

KS88000081

VLV,SOLND,SZ 3,NPT,,VAS3T /LQ,SLOW OPNG,

KS88000100

VLV ASSY,SOLND,RP 15,GAS VAS115R/NQSR FA

KS88000100

VLV ASSY,SOLND,RP 15,GAS VAS115R/NQSR FA

KS88000625

VAS232R/LK

KS88000625

VAS232R/LK

